HTML Meta Tag

The <meta> tag in HTML is used to provide metadata about the HTML document. Metadata is data about data and is not displayed on the web page but is machine readable. Meta tags are used for various purposes, including setting the character set, page description, keywords, author of the document, and viewport settings.

Common attributes of Meta Tag

1.charset

Specifies the character encoding for the HTML document.

<meta charset="UTF-8">

2.name and content

The name attribute specifies the type of metadata, and the content attribute specifies the value.

Common name values:

- description: Provides a short description of the page.
- keywords: Specifies a list of keywords for search engines.
- author: Defines the author of the document.
- viewport: Controls the layout on mobile browsers.

Code:

<meta name="description" content="A brief description of the page">

<meta name="keywords" content="C, C++, Java">

<meta name="author" content="Miller scott">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

Best Practise of Using meta tag

- Always specify a character set using the charset attribute.
- Use the description meta tag to provide a concise and accurate summary of your page's content.
- Include the viewport meta tag for responsive web design, especially for mobile-friendly sites.
- Keep meta tag values concise and relevant.
- Avoid excessive use of keywords in the keywords meta tag, as search engines may penalize keyword stuffing.

By using meta tags effectively, you can improve the accessibility, search engine ranking, and usability of your web pages.